

# Receiving Report

Date: 15-02-17

Batch No: 131589

Supplier: Airdynamics

Dart P/O: 27094

Packing Slip: Yes ☒ No ☐  
 Invoice: Yes ☒ No ☐  
 Receipt: Cash ☐ Cr ☒  
 New Supplier Yes ☐ No ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Waybill Attached: Yes ☒ No ☐  
 Shipment Complete: Yes ☒ No ☐ N/A ☐  
 QC18 Inspection ☐ N/A ☒  
 Work Order ☐ N/A ☒

## Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver

QC12

SP

Production/Admin:

Date

Received/Costing

Initial

Location



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO27094

Purchase Order Date 1/16/2015

PO Print Date 1/16/2015

Page Number 1 of 2

Order From :  
AIR DYNAMICS  
19420B CLARK GRAHAM AVENUE  
BAIE D'URFE, QUEBEC H9X 3R8

VC-AD001

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name  
Vendor Phone 514-457-4287  
Ship To Contact  
Ship To Phone  
Ship Via: Purolator ground collect  
Ship Acct:

Buyer  
Customer POID  
Customer Tax # 10127-2607  
Terms Net 30  
Currency CAD  
FOB EXW - (Ex Works)

FC

Line Sbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extend P
1400 20		EA934NA HYSOL	1/26/2015 Yes 1/26/2015		1.00 ✓ Each	\$195.00	\$195
EXP: DATE OCT/2015							

Line Total: \$195

Deliver To: IAN

600 0990		MAGNABOND 6398 PART A	2/27/2015 Yes 2/27/2015	FN	30.00 Each	\$17.50	\$525
10Z KIT							
600 0991		MAGNOBOND 6398 PART B	2/27/2015 Yes 2/27/2015	FN	30.00 Each	\$17.50	\$525
10Z KIT							

PO Instructions: Purolator Acc#7684382

Note:

1/16/2015

recu 2x  
SP15-01-17  
recu 28x  
SP15-02-17  
Line Total: \$525  
recu 2x  
SP15-01-17  
recu 28x SP15-02-17



# Air Dynamics BON DE LIVRAISON

19420B Clark Graham Avenue  
Baie D'Urfé, Québec H9X 3R8

Tel.: (514) 457-4287  
Fax: (514) 457-4143

PACKING SLIP 731553 -1

CUSTOMER NO. 700

Facture à:  
Invoice to:

DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY ON K6A 1K7  
  
ACCTS PAY/ DALE BATES

Expédié à:  
Ship to:

SAME

Date	Expédié par/Ship via:	F.A.B./F.O.B.	Conditions/Terms
02/16/15	PUROLATOR COLLECT		

No. de commande Purchase order no.	Date de commande Order date	Vendeur(se)/Salesperson	Notre No. de commande/Our order number
PO27094	01/16/15	SARAH FAIRHURST	

Qté req/ Qty req	Expédié Shipped	En souffe/ B.O.	No. d'article Item Number	Description	Prix unitaire Unit price	Prix rapporté Extended price
28	28		6398 (4OZ)	ORDERED BY CHANTAL LAVOIE - SHIP VIA PUROLATOR GROUND		
28	28		BATCH	MAGNOBOND(A/B) 4OZ KIT (SPEC: MFG STD) STORE FRIDGE		
				BATCH #30957 LOT#15A15/15A15		
				SPEC: 299-947-359 EXP: FEB.11/2016		
				SPEC: 299-947-100 EXP: JULY/2016		
				MFG CERTIFICATION INCLUDED - BALANCE OF ORDER COMPLETE		
				+MSDS		

JE CERTIFIE PAR LES PRESENTES QUE LES PIECES D'AVIATION  
DECRIES DANS LE PRESENT CERTIFICAT ONT ETE OBTENUES D'UNE  
SOURCE D'APPROVISIONNEMENT CONFORME AUX CONDITIONS  
AUXQUELLES LE CERTIFICAT D'AUTORISATION DE DISTRIBUTION  
NO. 12-89 DU MINISTRE DES TRANSPORTS A ETE ATTRIBUE

DATE

16 fevrier 2015

SIGNE

Brenda Shea



I hereby certify that the aircraft parts, appliances and/or  
materials described hereon were acquired from a source of  
supply that is consistent with the conditions under which  
the Department of Transport distributor approval  
No. 12-89 has been granted.

Date:

February 16, 2015 Brenda Shea  
Inspector's Signature

**RELEASE  
CERTIFICATE**

**AIR DYNAMICS**

19420B Clark Graham Avenue  
Baie d'Urfé, Québec, H9X 3R8

514-457-4287

AD-1(A)  
PTY: 28

NOMENCLATURE

MAGNOBOND A/B (40Z KIT)

PART NUMBER

6398

(40Z)

MODEL TYPE

MAKE

MAGNOLIA

SERIAL NUMBER

299-947-100: EXP: JULY 2016

299-947-359 EXP: FEBRUARY 11, 2016

NEW

REPAIRED

INSPECTED

OVERHAULED

MODIFIED

PREVIOUS CERTIFICATION

B#30957

LOT# 15A15 / 15A15

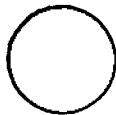
I HEREBY CERTIFY THAT THE AIRCRAFT PARTS, APPLIANCES AND/OR MATERIALS DESCRIBED HEREON  
WERE ACQUIRED FROM A SOURCE OF SUPPLY THAT IS CONSISTANT WITH THE CONDITIONS UNDER  
WHICH THE DEPARTMENT OF TRANSPORT DISTRIBUTOR APPROVAL NO. 12-89 HAS BEEN GRANTED

DATE

FEBRUARY 16, 2015

INSPECTOR'S SIGNATURE

Brenda Green



JE CERTIFIE PAR LE PRESENT QUE LES PIECES D'AERONEFS  
DECRIES DANS LE PRESENT CERTIFICAT ONT ETE OBTENUES D'UNE  
SOURCE D'APPROVISIONNEMENT CONFORME AUX CONDITIONS  
AUXQUELLES LE CERTIFICAT D'AUTORISATION DE DISTRIBUTION  
NO. 12-89 DU MINISTERE DES TRANSPORTS A ETE ATTRIBUE.

DATE

16 février 2015

SIGNE

Brenda Shea





# Certificate Of Compliance

Packing Slip	ORD11992
Document Date	1/21/2015
Page	1

5547 Peachtree Blvd  
Chamblee GA 30341-2296

30957

**Bill To:**

13 FEB. 2015

AIR DYNAMICS CO. LTD  
19420B, CLARK GRAHAM AVE.  
BAIE D'URFE/QUEBEC CANADA H9X 3R8

**Ship To:**

AIR DYNAMICS CO. LTD  
19420B, CLARK GRAHAM AVE.  
BAIE D'URFE QC H9X 3R8

(514) 457-4287 Ext. 0000

\* Item Shipped Directly from Vendor

Purchase Order No.	Customer ID	Salesperson ID	Shipping Method	Payment Terms	Order Placed By	Ship Date
030957	AIRDY001	INSIDE SALES	FED EX FRT COL	Prepayment	SARAH	2/11/2015
Ordered	Shipped	B/O	Item Number	Description	Site	UOM
40	40	0	6398-AB/.25PT	MAGNOLIA 6398-AB .25 PINT KIT LOT# 15A15/15A15  SP15-0217	ATL	EA

**Instructions:**

M.S.D.S. (FRENCH & ENGLISH) & TDS REQUIRED /  
DATE OF MFG: 01/2015  
SPEC# 299-947-100, REV P, T-II, CL-2 / SHELF LIFE: 18 MOS  
FROM D.O.M. @ BELOW 40°F OR 12 MOS FROM D.O.M. @ 40-100°F  
SPEC# 299-947-359, REV A, T-I / SHLF LIFE: 06 MOS FROM S.D. @  
BTWN 80-100°F/09 MOS @ BTWN 60-80°F/12 MOS @ BELOW 40°F  
EXPIRATION DATE: (299-947-100): 07/2016 OR 01/2015  
EXPIRATION DATE: (299-947-359): 08/11/15 OR 11/11/15 OR 02/11/16

**Magnolia Advanced Materials, Inc.**

Signed: 

Greg Bunn  
Technical Director

**We certify that the above listed material meets the sales specifications as outlined by the manufacturing procedures of Magnolia Advanced Materials, Inc. and the above listed specification.**

**The materials process and formulation(s) have not been changed in any way from the original qualified material(s) without prior approval.**

**Unless otherwise indicated, the country of origin is the USA.**

**Shelf life certified and applicable on unopened, properly stored containers.**



# MATERIAL SAFETY DATA SHEET

Issuing Date no data available

Revision date October 28, 2013

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** Magnobond 6398-A

**Product Code(s)** 6398-A

**Synonyms** Magnolia 6398-A

**Recommended Use** This product contains epoxy constituents that have an average molecular weight of less than or equal to 700.

**Manufacturer:** Magnolia Advanced Materials, Inc.  
5547 Peachtree Blvd.  
Chamblee, GA 30341 USA  
770-451-2777 [8:00 am - 4:30 pm US eastern time zone]

**Emergency telephone number** INFOTRAC 1-352-323-3500 (International) - Account 79439  
1-800-535-5053 (North America) - Account 79439

## 2. Hazards Identification

**appearance** Gray **Physical state** Paste/Gel **Odor** Slight ethereal

### Potential health effects

#### Acute toxicity

**EYES**

Avoid contact with eyes.

**skin**

Avoid contact with skin.

#### Chronic effects

## 3. Composition/information on Ingredients

**Formula** Not Applicable-Mixture

Chemical name	CAS-No	Weight %
Oxiranemethanamine, N,N'-(methylenedi-4,1-phenylene)bis[N-(oxiranylmethyl)-	28768-32-3	30-60
Aluminum	7429-90-5	25-50
Bisphenol A - Epichlorohydrin polymer	25068-38-6	5-15
Dimethyl silicone polymer with silica	67762-90-7	1-5

**Additional Notes** Remaining components are either not hazardous or below threshold limits.

## 4. First aid measures

### General advice

Remove from exposure, lie down. If symptoms persist, call a physician. Do not get in eyes, on skin, or on clothing. MAY CAUSE ALLERGIC SKIN REACTION.

### Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately if symptoms occur.

### Skin contact

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

**inhalation  
INGESTION**

Remove from exposure, lie down. If symptoms persist, call a physician.  
Do NOT induce vomiting. Clean mouth with water and afterwards drink plenty of water.  
Obtain medical attention.

**Protection of First-aiders**

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

**5. Fire-fighting measures****flash point**

&gt; 93.4 °C / &gt; 200 °F

**Suitable extinguishing media**Water spray, dry chemical, carbon dioxide (CO<sub>2</sub>), or foam.**Explosion data****NFPA**

Health hazard 2

flammability 1

stability 0

Physical and Chemical  
Hazards -**6. Accidental release measures****Personal precautions**

Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

**OTHER INFORMATION**

Ventilate the area.

**7. Handling and Storage****Handling**

Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. In case of insufficient ventilation, wear suitable respiratory equipment. Keep away from heat, sparks and open flame. No smoking.

**Storage**

Keep away from open flames, hot surfaces and sources of ignition. Keep tightly closed in a dry and cool place.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Aluminum 7429-90-5	TWA: 1 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>

**Engineering Measures**

Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment****Hygiene Measures**

Wash hands before breaks and at the end of workday.

**9. Physical and Chemical Properties****appearance**

Gray

**Odor**

Slight ethereal

**Physical state**

Paste/Gel

**flash point**

&gt; 93.4 °C / &gt; 200 °F

**Autoignition temperature**

no data available

**Boiling Point/Range**

&gt; 107.3 °C 225 °F

**Flammability Limits in Air**

No information available

**Explosion Limits**

No information available

**Specific gravity**

1.25

**Water solubility**

negligible

**solubility**

No information available

**evaporation rate**

(butyl acetate=1): &lt;1

**vapor pressure**

negligible

**vapor density**

No information available

**viscosity**

Data available upon request

**10. Stability and Reactivity****stability**

Stable under recommended storage conditions.



**Conditions to avoid** Heat, flames and sparks.

**Hazardous decomposition products** Carbon oxides. Phenols. Aromatic hydrocarbons.

**Hazardous polymerization** Hazardous polymerization does not occur.

## 11. Toxicological Information

### Acute toxicity

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Bisphenol A - Epichlorohydrin polymer	11400 mg/kg ( Rat )		

### Chronic toxicity

Chemical name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Bisphenol A - Epichlorohydrin polymer	Group III Chemical		

## 12. Ecological Information

### ecotoxicity

## 13. Disposal Considerations

**Waste Disposal Method** Dispose of in accordance with local regulations.

Chemical name	California Hazardous Waste Status
Aluminum	Ignitable (powder)

## 14. Transport Information

**DOT** Not regulated

### IATA

**UN-No** 3082  
**Proper shipping name** Environmentally hazardous substance, liquid, n.o.s. (Epoxy resin)  
**Hazard Class** 9  
**Packing group** III

### IMDG/IMO

**Proper shipping name** Environmentally hazardous substance, liquid, n.o.s. (Epoxy resin)  
**Hazard Class** 9  
**UN-No** 3082  
**Packing group** III  
**EmS No.** F-A, S-F

## 15. Regulatory information

### International Inventories

Chemical name	TSCA	DSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS	NZIoC
Oxiranemethanamine N,N'-(methylenedi-4,1-phenylene)bis[N-(oxiranylmethyl)- - 28768-32-3	Present	X	X	(4)-112	X	KE-23914		X	X
Aluminum - 7429-90-5	Present	X	X		X	KE-00881	X	X	X
Bisphenol A - Epichlorohydrin polymer - 25068-38-6	XU	X	X	(7)-1283	X	KE-24000	X	X	X
Dimethyl silicone polymer with silica - 67762-90-7	XU	X			X	KE-31207	X	X	X

**U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	CAS-No	Weight %	SARA 313 - Threshold Values %
Aluminum	7429-90-5	25-50	1.0

**SARA 311/312 Hazard Categories**

Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

**Clean Water Act****CERCLA****U.S. State Regulations**

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Aluminum 7429-90-5 ( 25-50 )	X	X	X		X

**International Regulations**

**Mexico - Grade** No information available

Chemical name	Carcinogen Status	Exposure Limits
Aluminum		Mexico: TWA 10 mg/m <sup>3</sup>

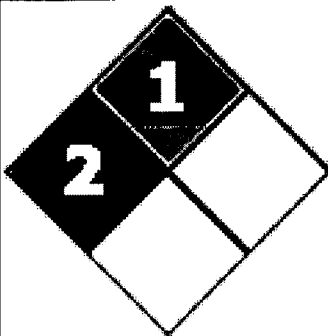


**CANADA**

Chemical name	WHMIS Hazard Class
Aluminum - 7429-90-5	1 B6 Uncontrolled product according to WHMIS classification criteria
Bisphenol A - Epichlorohydrin polymer - 25068-38-6	D2B



Chemical name	NPRI
Aluminum	X

**16. Other information**

NFPA	HMIS	PPE	Transport Symbol						
	<table><tr><td>Health Hazard</td><td>2</td></tr><tr><td>Fire Hazard</td><td>1</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>	Health Hazard	2	Fire Hazard	1	Reactivity	0	 	Not regulated
Health Hazard	2								
Fire Hazard	1								
Reactivity	0								

**Prepared by**

Magnolia Advanced Materials, Inc.  
5547 Peachtree Blvd.  
Chamblee, GA 30341

**Revision date**

October 28, 2013

**Revision note**

No information available.

**Disclaimer**

This product is intended to be used as a printing fluid. The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS



# MATERIAL SAFETY DATA SHEET

Issuing Date No data available

Revision date August 27, 2014

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** Magnobond 6398-B  
**Product Code(s)** 6398-B  
**UN-No** 2735  
**Synonyms** Magnolia 6398-B  
**Recommended Use** Amine curing agent.  
**Manufacturer:** Magnolia Advanced Materials, Inc.  
5547 Peachtree Blvd.  
Chamblee, GA 30341 USA  
770-451-2777 [8:00 am - 4:30 pm US eastern time zone]

**Emergency telephone number** INFOTRAC 1-352-323-3500 (International) - Account 79439  
1-800-535-5053 (North America) - Account 79439

## 2. HAZARDS IDENTIFICATION

### WARNING

**Appearance** Off-white to amber

**Physical state** Paste/Gel

**Odor** Amine

**OSHA Regulatory Status** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

### Potential health effects

#### Principle Routes of Exposure

Skin Contact, Inhalation.

#### Acute toxicity

##### EYES

Avoid contact with eyes.

##### Skin

Avoid contact with skin.

##### Inhalation

Avoid breathing vapors or mists.

##### INGESTION

Do NOT taste or swallow.

#### Chronic effects

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Formula** Not Applicable-Mixture

Chemical name	CAS-No	Weight %
1-(2-Aminoethyl) piperazine	140-31-8	30-60
Diethylene glycol bis(3-aminopropyl) ether	4246-51-9	15-40
Silica, amorphous, fumed, crystal-free	112945-52-5	5-10

**Additional Notes** Remaining components are either not hazardous or below threshold limits.

## 4. FIRST AID MEASURES

### General advice

Remove from exposure, lie down. If symptoms persist, call a physician. Do not get in eyes, on skin, or on clothing. MAY CAUSE ALLERGIC SKIN REACTION.

<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately if symptoms occur.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
<b>Inhalation</b>	Remove from exposure, lie down. If symptoms persist, call a physician.
<b>INGESTION</b>	Do NOT induce vomiting. Clean mouth with water and afterwards drink plenty of water. Obtain medical attention.
<b>Protection of First-aiders</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## 5. FIRE-FIGHTING MEASURES

<b>Flash point</b>	> 93.4 °C / > 200 °F			
<b>Suitable extinguishing media</b>	Water spray, dry chemical, carbon dioxide (CO <sub>2</sub> ), or foam.			
<b>Explosion data</b>				
<b>NFPA</b>	<b>Health hazard</b> 3	<b>Flammability</b> 1	<b>Stability</b> 0	<b>Physical and Chemical Hazards</b> -

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.
<b>OTHER INFORMATION</b>	Ventilate the area.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. In case of insufficient ventilation, wear suitable respiratory equipment. Keep away from heat, sparks and open flame. No smoking.
<b>Storage</b>	Keep away from open flames, hot surfaces and sources of ignition. Keep tightly closed in a dry and cool place.

## 8. EXPOSURE CONTROLS // PERSONAL PROTECTION

<b>Engineering Measures</b>	Ensure adequate ventilation, especially in confined areas.
<b>Personal protective equipment</b>	
<b>Eye/face Protection</b>	Safety glasses with side-shields.
<b>Skin and body protection</b>	Protective gloves.
<b>Hygiene Measures</b>	Wash hands before breaks and at the end of workday.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Off-white to amber	<b>Odor</b>	Amine
<b>Physical state</b>	Paste/Gel		
<b>Flash point</b>	> 93.4 °C / > 200 °F	<b>Autoignition temperature</b>	No data available
<b>Boiling Point/Range</b>	> 107.3 °C 225 °F	<b>Flammability Limits in Air</b>	No information available
<b>Explosion Limits</b>	No information available		
<b>Specific gravity</b>	1.0	<b>Water solubility</b>	Negligible
<b>Solubility</b>	No information available	<b>Evaporation rate</b>	(butyl acetate=1): <1
<b>Vapor pressure</b>	Negligible	<b>Vapor density</b>	No information available
<b>Viscosity</b>	Thixotropic paste		

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions. Hygroscopic.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Hazardous decomposition products</b>	Carbon oxides. Nitrogen oxides (NOx). Hydrogen cyanide. Ammonia. Hazardous decomposition products formed under fire conditions.
<b>Hazardous polymerization</b>	Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

**Product Information** The product itself has not been tested.

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
1-(2-Aminoethyl) piperazine	2140 mg/kg ( Rat )	880 µL/kg ( Rabbit )	
Diethylene glycol bis(3-aminopropyl) ether	4290 µL/kg ( Rat )	2500 µL/kg ( Rabbit )	
Silica, amorphous, fumed, crystal-free	3160 mg/kg ( Rat )		

### Chronic toxicity

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
1-(2-Aminoethyl) piperazine	EC50 = 495 mg/L 72 h	LC50 1950 - 2460 mg/L Pimephales promelas 96 h LC50 > 1000 mg/L Poecilia reticulata 96 h LC50 >= 100 mg/L Oncorhynchus mykiss 96 h	EC50 > 10000 mg/L 17 h	= 32 mg/L EC50
<b>Chemical name</b>			<b>Log Pow</b>	
1-(2-Aminoethyl) piperazine			= -1.48	

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method** Dispose of contents/container in accordance with local regulation.

## 14. TRANSPORT INFORMATION

### DOT

**Proper shipping name** Amines, Liquid, Corrosive, N.O.S. (AMINOETHYLPIPERAZINE, DI (AMINOPROPYL) ETHER OR DIETHYLENE GLYCOL)

**Hazard Class** 8 (Corrosive)

**UN-No** 2735

**Packing group** III

### IATA

**UN-No** 2735

**Proper shipping name** Amines, Liquid, Corrosive, N.O.S. (AMINOETHYLPIPERAZINE, DI (AMINOPROPYL) ETHER OR DIETHYLENE GLYCOL)

Hazard Class 8 (Corrosive)  
 Packing group III  
 ERG Code 8L  
 Description A3

**IMDG/IMO**

Proper shipping name Amines, Liquid, Corrosive, N.O.S. (AMINOETHYLPIPERAZINE, DI (AMINOPROPYL) ETHER OR DIETHYLENE GLYCOL)  
 Hazard Class 8 (Corrosive)  
 UN-No 2735  
 Packing group III  
 EmS No. F-A, S-B

**15. REGULATORY INFORMATION****International Inventories**

Chemical name	TSCA	DSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS	NZIoC
1-(2-Aminoethyl) piperazine - 140-31-8	Present	X	X	Present	X	Present	X	X	X
Diethylene glycol bis(3-aminopropyl) ether - 4246-51-9	Present	X	X	Present	X	Present	X	X	X
Silica, amorphous, fumed, crystal-free - 112945-52-5		X		Present	X	Present	X	X	X

**U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

Chronic Health Hazard No  
 Fire hazard No  
 Sudden release of pressure hazard No  
 Reactive Hazard No

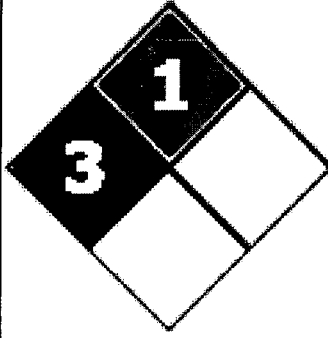


**Clean Water Act****CERCLA****U.S. State Regulations****International Regulations****Mexico - Grade**

No information available

**CANADA**

Chemical name	WHMIS Hazard Class
1-(2-Aminoethyl) piperazine - 140-31-8	1 % D1B,D2B,E

**16. OTHER INFORMATION**

NFPA	HMIS	PPE	Transport Symbol						
	<table><tr><td>Health Hazard</td><td>3</td></tr><tr><td>Env. Hazard</td><td>1</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>	Health Hazard	3	Env. Hazard	1	Reactivity	0		
Health Hazard	3								
Env. Hazard	1								
Reactivity	0								

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**Revision date**

August 27, 2014

**Revision note**

No information available.

**Disclaimer**

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End of MSDS